



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**CGI Windows & Doors**  
**10100 NW 25<sup>th</sup> Street**  
**Miami, FL 33172**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "450 - Transom" Aluminum Fixed Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W98-38**, titled "Transom Lites for Swing Doors", sheets 1 through 3 of 3, dated 05/02/98 with revision "E" dated 07/07/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 09-0723.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 11-0912.11**  
**Expiration Date: November 19, 2016**  
**Approval Date: December 01, 2011**  
**Page 1**

**CGI Windows & Doors**


**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W98-38**, titled "Transom Lites for Swing Doors", sheets 1 through 3 of 3, dated 05/02/98 with revision "E" dated 07/07/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, P. E.

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0080-0402-02**, dated 4/1/02, signed and sealed by Vinu J. Abraham, P.E.  
**(Submitted under NOA No. 03-0422.03)**
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with manufacturer's parts and section drawing marked-up drawings of an aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.  
**(Submitted under NOA No. 98-0608.21)**
3. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 04/02/98, for cold roll Aluminum samples, tested per ASTM E8, signed and sealed by Frank Grate, P. E.  
**(Submitted under NOA No. 98-0608.21)**
4. Tensile Test prepared by Metallurgical, Inc., Report No. **8CM-709**, dated 10/02/98, for cold roll Aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E415, signed and sealed by Frank Grate, P. E.  
**(Submitted under NOA No. 98-0608.21)**

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-0912.11  
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## CGI Windows & Doors

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#### **C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 07/07/09, signed and sealed by Arshad Viqar, P. E.
2. Glazing complies with ASTM E1300-04.

#### **D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

#### **E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **09-0223.05** issued to **Solutia, Inc.** for their “**Saflex Multi-layer Glass Interlayer**” dated 04/08/09, expiring on 04/08/14.

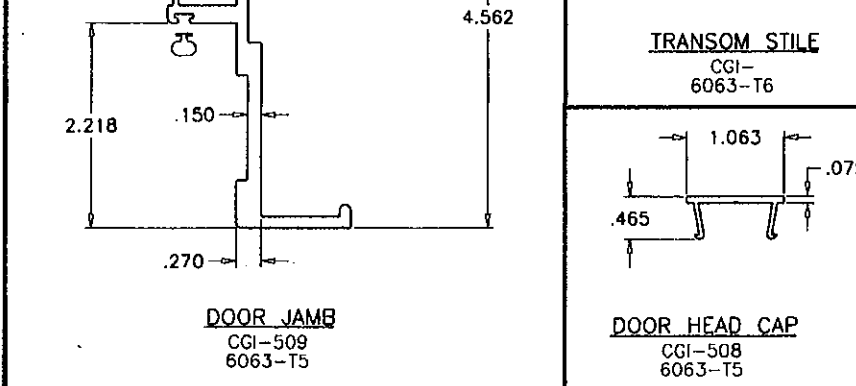
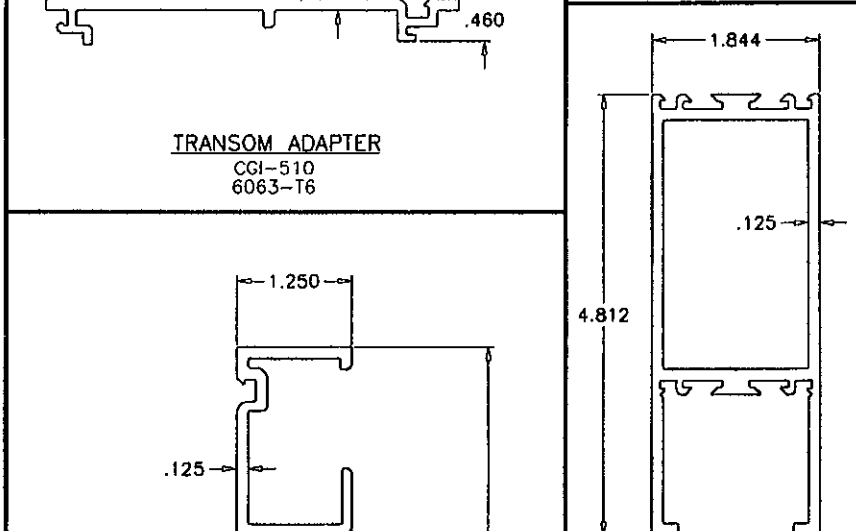
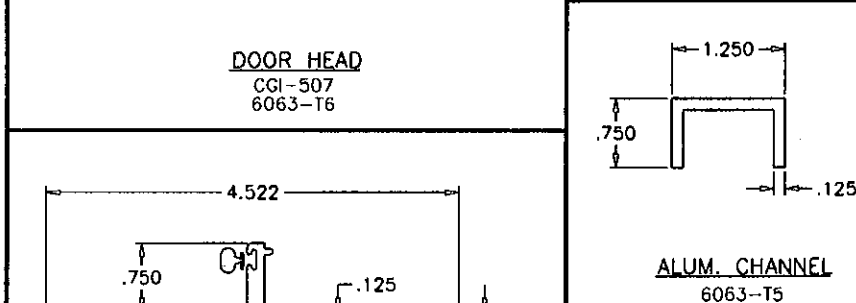
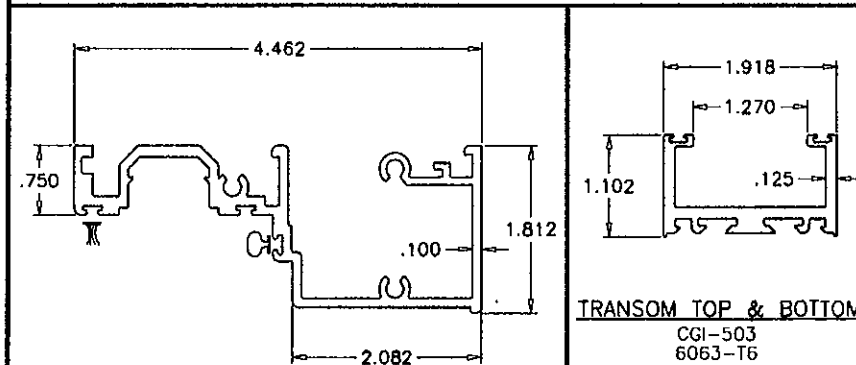
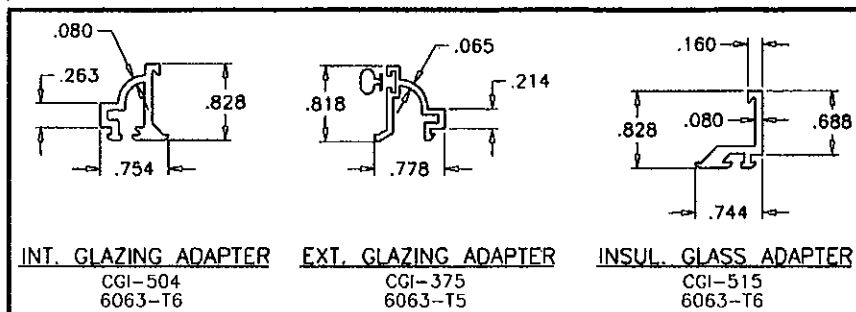
#### **F. STATEMENTS**

1. Statement letter of conformance, no financial interest and change, dated July 06, 2009, signed and sealed by Arshad Viqar, P. E.
2. Laboratory compliance letter for Test Report no. **HTL 0080-0402-02**, issued by Hurricane Test Laboratory, Inc., dated 11/26/02, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under NOA No. 03-0422.03)*
3. Laboratory compliance letter for Test Report no. **HTL-97055 (0080-912-97)**, issued by Hurricane Test Laboratory, Inc., dated 09/23/97, signed and sealed by Timothy Marshal, P. E.  
*(Submitted under NOA No. 98-0608.21)*
4. Laboratory compliance letter for Test Report no. **8CM-709**, issued by Metallurgical, Inc., dated 04/02/98, signed and sealed by Frank Grate, P. E.  
*(Submitted under NOA No. 98-0608.21)*

#### **G. OTHERS**

1. Notice of Acceptance No. **09-0723.03**, issued to CGI Windows & Doors, Inc. for their Series “450 – Transom” Aluminum Fixed Window – L.M.I., approved on 10/14/09 and expiring on 11/19/11.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-0912.11  
Expiration Date: November 19, 2016  
Approval Date: December 01, 2011



TRANSOM LITE LOAD TABLE					
NOMINAL DIMS.		LOAD CAPACITY - PSF			
WIDTH W-IN.	HEIGHT L-IN.	1/2" LAMINATED ANN. GLASS		1" INSUL. LAM. ANN. GLASS	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	24	100.0	100.0	80.0	80.0
42		100.0	100.0	80.0	80.0
48		100.0	100.0	80.0	80.0
54		100.0	100.0	80.0	80.0
60		100.0	100.0	80.0	80.0
66		100.0	100.0	80.0	80.0
72		100.0	100.0	80.0	80.0
36	30	100.0	100.0	80.0	80.0
42		100.0	100.0	80.0	80.0
48		100.0	100.0	80.0	80.0
54		100.0	100.0	80.0	80.0
60		100.0	100.0	80.0	80.0
66		100.0	100.0	80.0	80.0
72		100.0	100.0	80.0	80.0
36	36	100.0	100.0	80.0	79.4
42		100.0	100.0	80.0	79.4
48		100.0	100.0	80.0	79.4
54		100.0	100.0	80.0	79.4
60		91.7	91.7	80.0	79.4
66		83.6	83.6	80.0	79.4
72		83.6	83.6	80.0	79.4
36	42	100.0	100.0	80.0	79.4
42		87.8	87.8	80.0	68.1
48		87.8	87.8	80.0	68.1
54		87.8	87.8	80.0	68.1
60	48	84.7	84.7	80.0	68.1
36		98.0	98.0	80.0	79.4
42		87.8	87.8	80.0	68.1
48		76.8	76.8	74.5	59.6
54		76.8	76.8	74.5	59.6
36	54	87.1	87.1	80.0	79.4
42		87.8	87.8	80.0	68.1
48		76.8	76.8	74.5	59.6
36	60	78.4	78.4	78.4	78.4
42		87.8	87.8	80.0	68.1

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).

#### NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

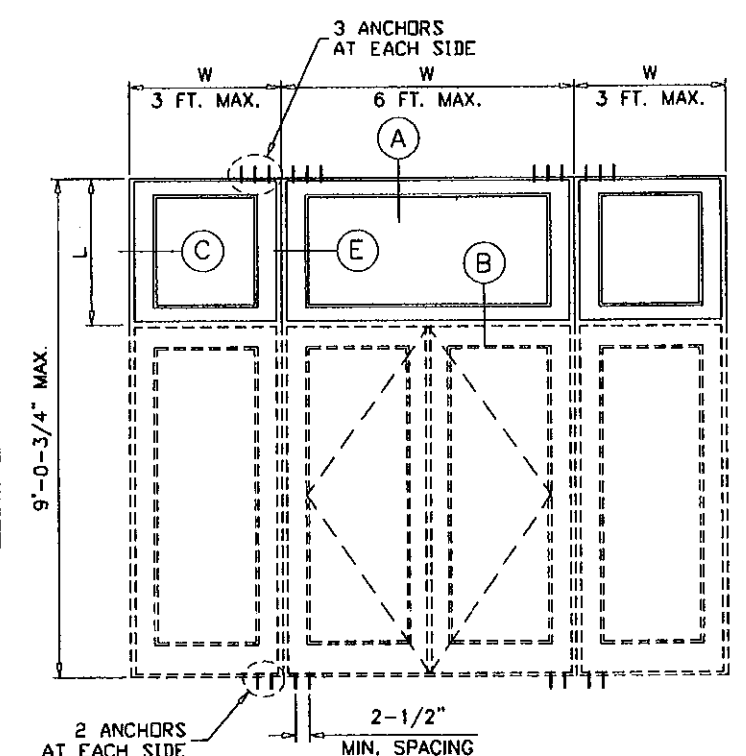
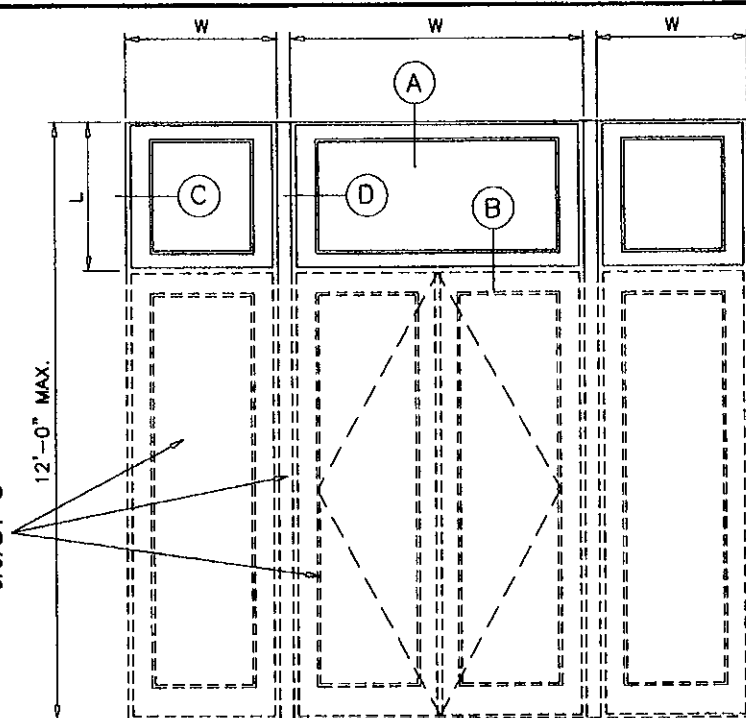
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

REFER TO  
SEPARATE 'CGI' N.O.A.  
FOR SERIES 450  
DOORS, SIDELITES  
& MULLIONS

TRANSOM WIDTH	D.L. OPG. WIDTH
36"	24-7/8"
42"	30-7/8"
48"	36-7/8"
54"	42-7/8"
60"	48-7/8"
66"	54-7/8"
72"	60-7/8"

TRANSOM HEIGHT	D.L. OPG. HEIGHT
12"	7-3/8"
18"	13-3/8"
24"	19-3/8"
30"	25-3/8"
36"	31-3/8"
42"	37-3/8"
48"	43-3/8"
54"	49-3/8"
60"	55-3/8"



PMAX FOR THIS CONDITION = 72.3 PSF

TRANSOMS WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT.  
SHUTTERS ARE NOT REQUIRED.

Engr: ARSHAD VIQAR  
CIVIL  
FLA. PE # 38863  
C.A.N. 3538

SEP 28 2009

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No. 09-0723.03  
Expiration Date NOVEMBER 19, 2011

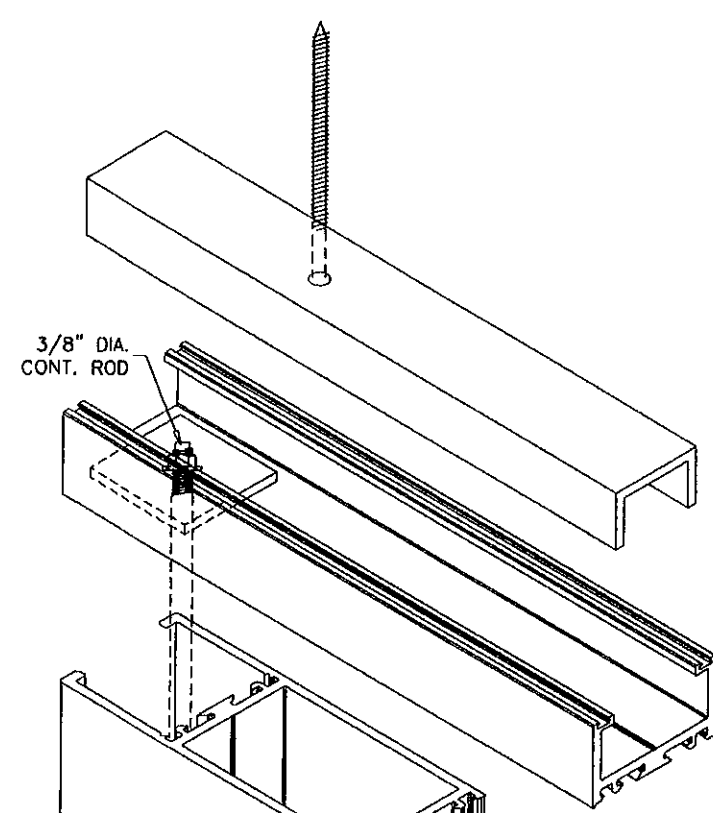
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W98-38CGI

TRANSOM LITES FOR SWING DOORS  
**CGI WINDOWS & DOORS**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

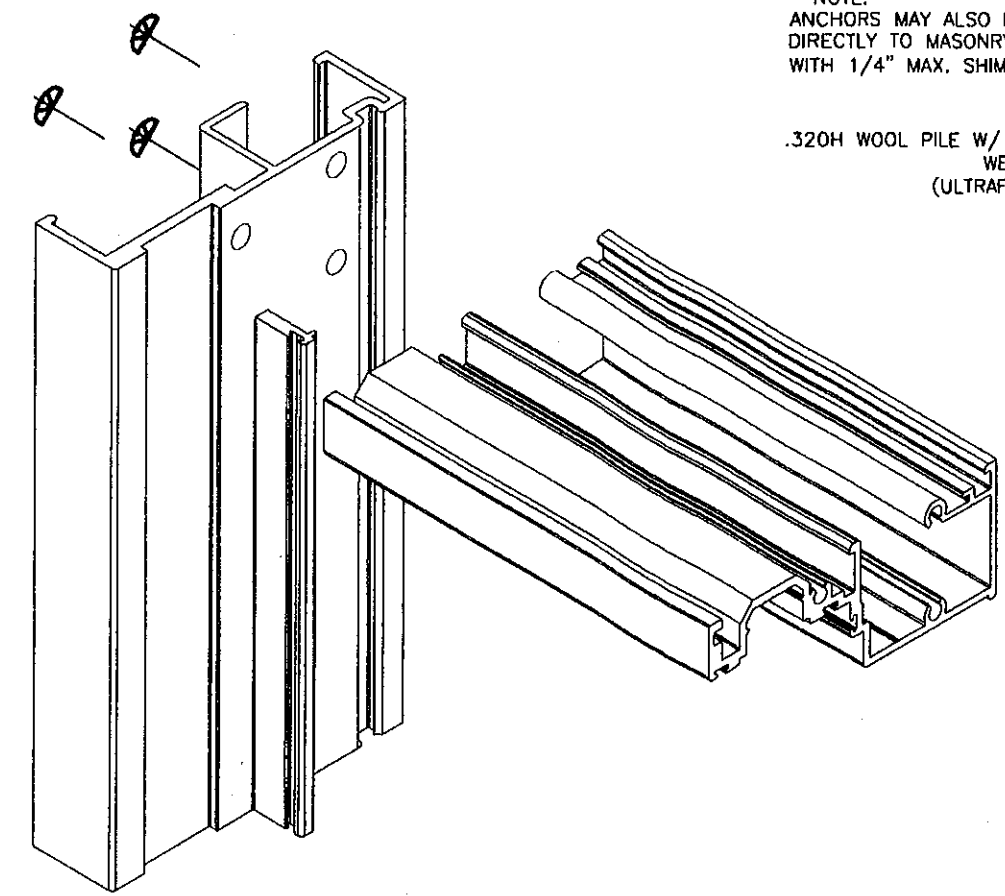
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	B	11.02.01		CHARTS REV. PER 1997 NDS
	C	01.06.03		INSUL. GLASS ADDED
	D	12.22.05		UPDATED FOR 2004 FBC
	E	07.07.09		UPDATED FOR 2007 FBC

date: 05-02-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W98-38**  
sheet 1 of 3

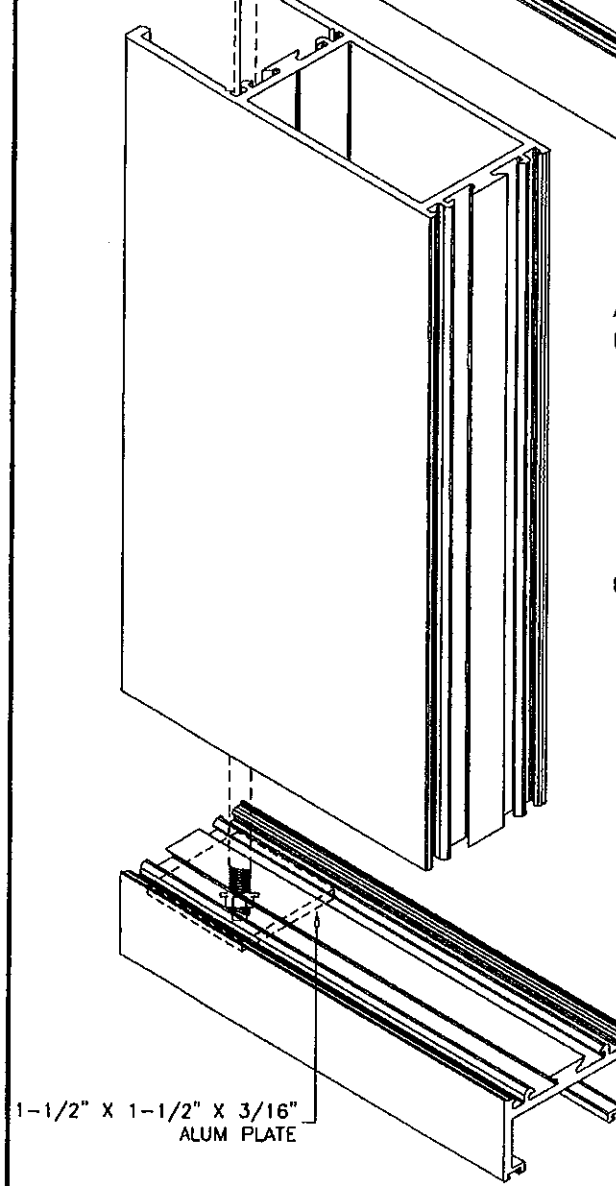


3/8" DIA.  
CONT. ROD



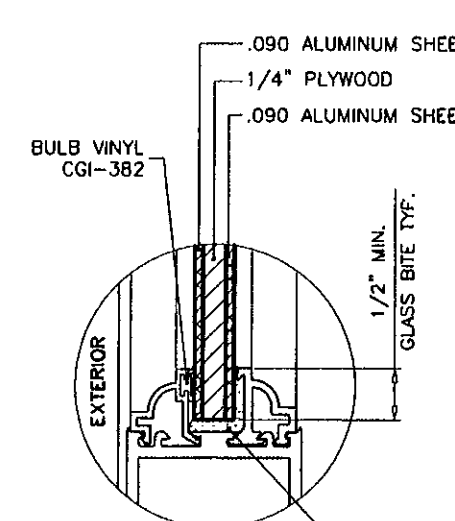
FRAME CORNER DETAIL

ALL CORNERS TO BE SEALED WITH  
LOW MODULUS SILICONE SILPRUF OR EQUIVALENT

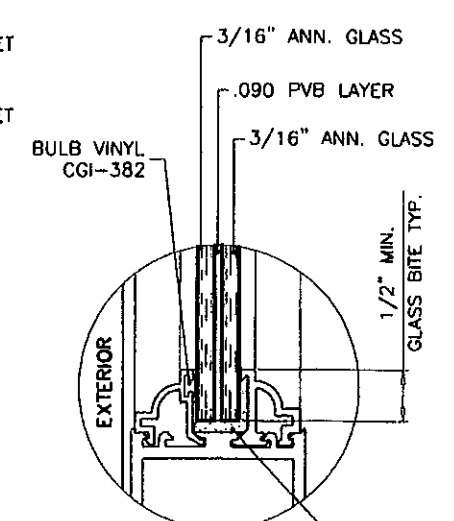


1-1/2" X 1-1/2" X 3/16"  
ALUM. PLATE

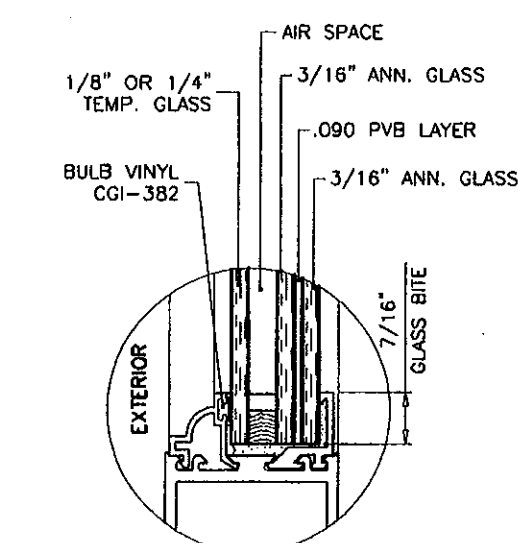
PANEL CORNER DETAIL



.430" THK. OVERALL



.450" THK. OVERALL



.935" THK. OVERALL (1/4" EXT. LITE & 1/4" AIR SPACE)  
.945" THK. OVERALL (1/8" EXT. LITE & 3/8" AIR SPACE)

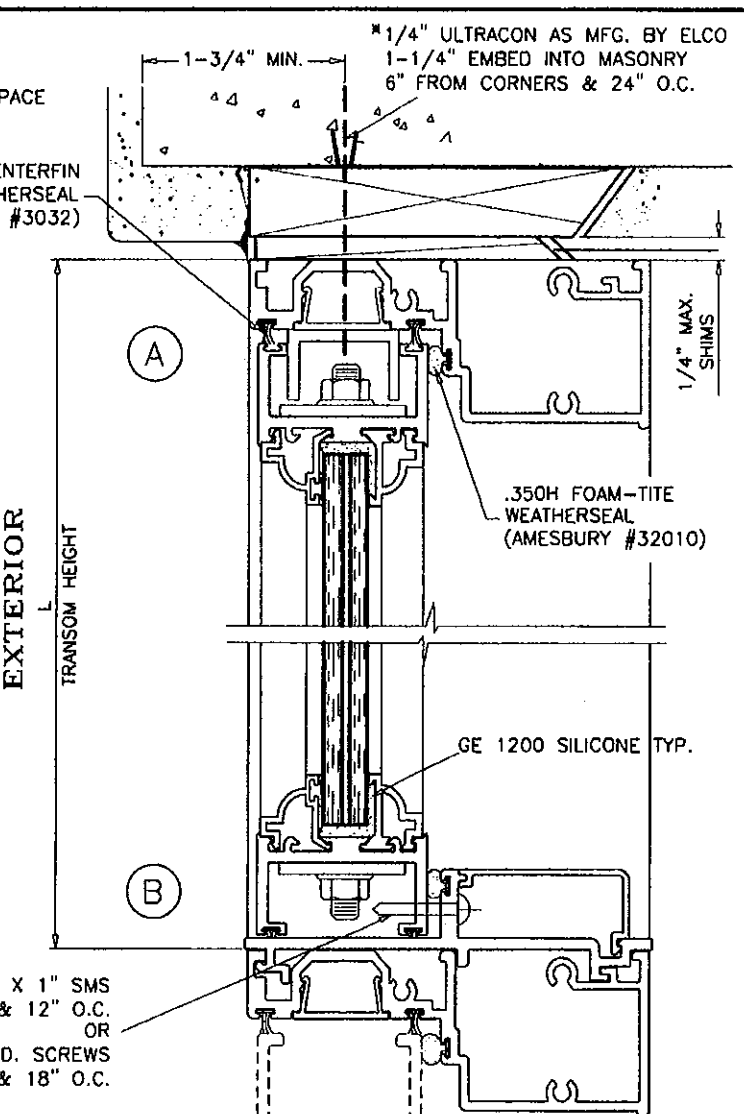
TYPICAL GLAZING DETAILS

WOOD BUCKS NOT BY C.G.I., MUST SUSTAIN LOADS  
IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM  
TO THE BUILDING STRUCTURE.

\* NOTE:  
ANCHORS MAY ALSO BE  
DIRECTLY TO MASONRY  
WITH 1/4" MAX. SHIM SPACE

.320H WOOL PILE W/ CENTERFIN  
WEATHERSEAL  
(ULTRAFAB #3032)

EXTERIOR  
TRANSOM HEIGHT



\* 1/4" ULTRACON AS MFG. BY ELCO  
1-1/4" EMBED INTO MASONRY  
6" FROM CORNERS & 24" O.C.

.350H FOAM-TITE  
WEATHERSEAL  
(AMESBURY #32010)

GE 1200 SILICONE TYP.

#10 X 1" SMS  
@ 6" FROM ENDS & 12" O.C. OR  
3/16 X 1" KWIK-FLEX S.D. SCREWS  
@ 6" FROM ENDS & 18" O.C.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-0912.11  
Expiration Date NOV. 19, 2016  
By *Manuel Perez*  
Miami Code Product Control

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Engr: ARSHAD VIQAR  
CIVIL  
FLA. PE # 38863  
C.A.N. 3538

SEP 23 2009

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX (305) 262-6978  
COMP - ANL \ W98 - 38CGI

TRANSOM LITES FOR SWING DOORS

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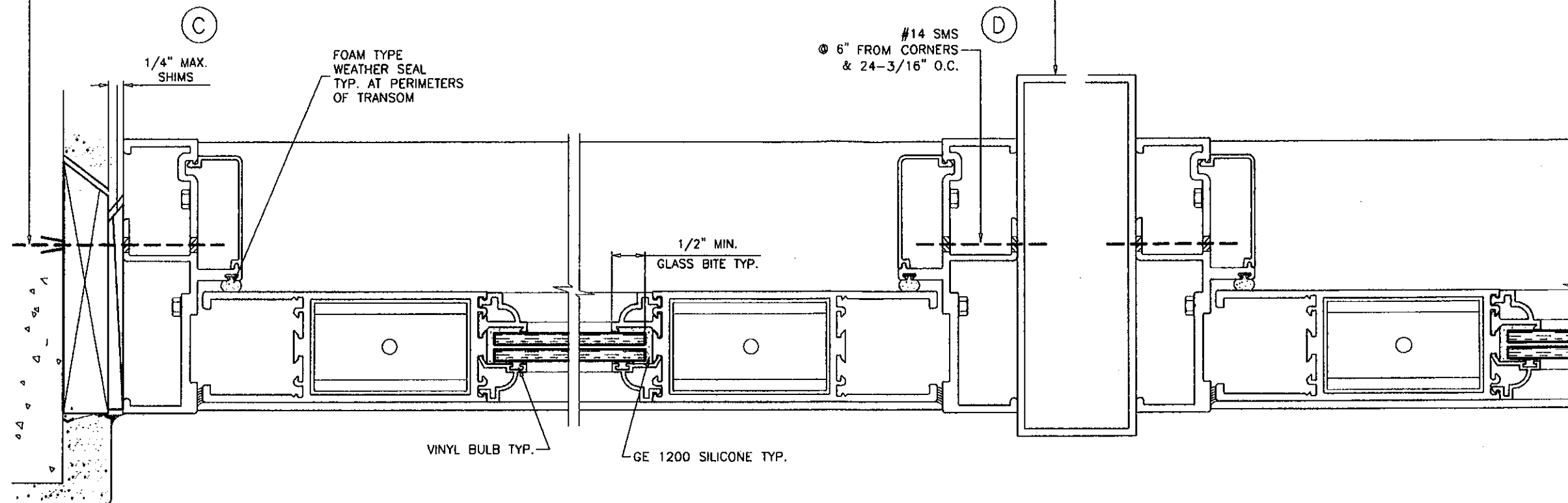
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	D	12.22.05		UPDATED FOR 2004 FBC
	E	07.07.09		UPDATED FOR 2007 FBC

date: 05-02-98  
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dr. by: HAMID  
chk. by:

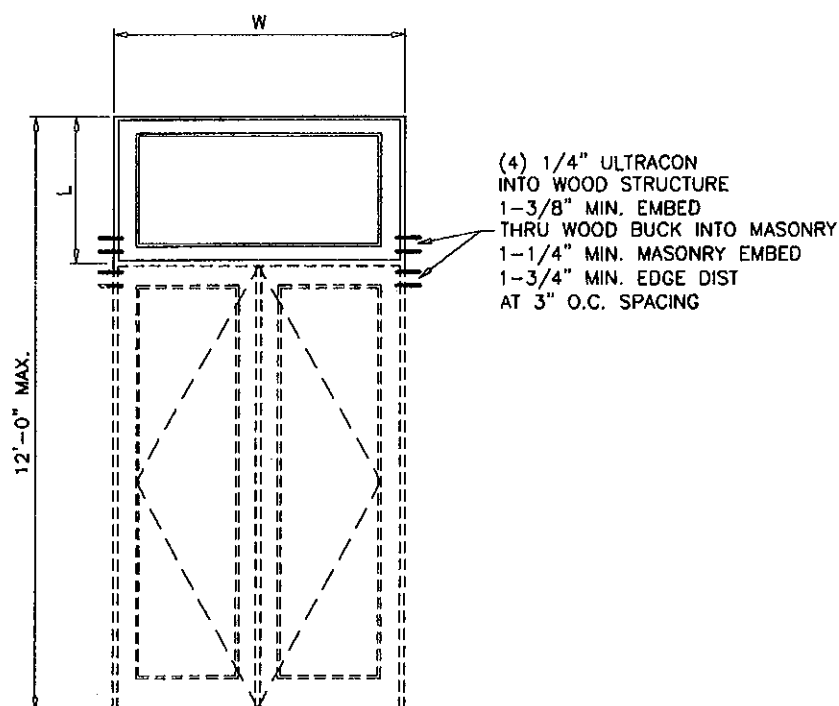
drawing no.  
**W98-38**  
sheet 2 of 3

1/4" ULTRACON  
1-1/4" EMBED INTO MASONRY  
6" FROM CORNERS & 24-3/16" O.C.  
1-3/4" MIN. EDGE DIST.  
(SEE DETAIL BELOW)

\* NOTE:  
ANCHORS MAY ALSO BE  
DIRECTLY TO MASONRY  
WITH 1/4" MAX. SHIM SPACE



EXTERIOR



ANCHORING DETAIL FOR TRANSOM ENDS  
FOR TRANSOMS WITHOUT SIDELITES  
AND XX DOORS BELOW

# NOTES:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
1-3/4" MIN. EDGE DISTANCE INTO CONC. & MASONRY  
3/4" MIN. EDGE DISTANCE INTO WOOD

CONCRETE f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

Engr: ARSHAD VIQAR  
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**afC**  
**AL-FAROOQ CORPORATION**  
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revisions:	no	date	by	description
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sheet 3 of 3